Stochastic seminar: Musical chairs dynamics

Guillaume Dubach

Host:

N players are waiting on the real line. When the music starts, all of them move upwards and start dancing in the upper complex plane. After a time, one of them leaves the game and diverges to infinity, whereas the others go slowly back to (N-1) locations on the real line. End of the game. We will present a random matrix model whose eigenvalues evolve according to this musical chairs dynamic, and establish a few rigorous results. In particular, we will (partially) answer the natural question: how long do they dance before one of them is eventually ejected?. Joint work with L. Erds.

Friday, October 29, 2021 02:00pm - 03:15pm
Mondi Seminar Room 2, Central Building

This invitation is valid as a ticket for the ISTA Shuttle from and to Heiligenstadt Station. Please find a schedule of the ISTA Shuttle on our webpage: https://ista.ac.at/en/campus/how-to-get-here/ The ISTA Shuttle bus is marked ISTA Shuttle (#142) and has the Institute Logo printed on the side.

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